

SOUTH FLORIDA WATER MANAGEMENT DISTRICT



SITUATION REPORT #37

2006-2007 WATER SHORTAGE EMERGENCY

Published September 4, 2007, at 1100 Hours

Operational Period: August 22, 2007 – September 4, 2007

CURRENT SITUATION:

The northern and southwestern portions of the District continue to experience moderate to severe drought conditions. The current level of Lake Okeechobee is 9.55 feet NGVD 29 (National Geodetic Vertical Datum 1929).

WEATHER & WATER CONDITIONS:

Weather -

- The District received 1.0 inches of rain over the past week, which is well below average
- The District received 4.66" of rain in August, which is 62% of average.
- The forecast is for well below average rains across the Kissimmee Valley this week. Look for low pressure a few hundred miles east of Jacksonville to focus showers/storms southeast today, then south tomorrow and Thursday. This same low will drive drier air across central Florida to limit rainfall there. Forecast skill becomes low by the end of the week, but more below average rainfall seems the most probable scenario.

Water Levels -

- Current water levels at key locations (all measurements in feet. Stages and levels are reported in National Geodetic Vertical Datum 1929):

Area	Current Water Level (ft)	Change from Previous 2 Weeks (ft)	Change from previous 4 weeks (ft)
Lake Okeechobee	9.55	0.01	0.11
Lake Istokpoga	38.29	0.05	-0.04
Water Conservation Area 1	16.45	0.26	0.03
Water Conservation Area 2A	12.55	0.36	0.17
Water Conservation Area 3A	8.77	-0.42	0.05
Canal C-23 (Upper East Coast)	21.13	0.33	2.57
Canal C-24 (Upper East Coast)	19.76	0.30	0.12
Canal C-25 (Upper East Coast)	19.78	0.32	-1.51

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Water Levels (continued):

- Lake Okeechobee is at 9.55 feet NGVD, up from the all-time record low of 8.81 feet NGVD. However, the Lake remains 1.3 feet below the record low level for this date.
- The major urban areas of concern continue to be the four public water supply wellfields in the Lower East Coast region, which have shown increasing chloride levels in nearby monitoring wells. These “at risk” wellfields are Lake Worth, Lantana, Hallandale and Dania Beach. District staff is in close contact with all four utilities, and all groups are cooperating and exploring contingency plans and action scenarios to meet reduced water demands while minimizing saltwater intrusion.

ACTIVITY UPDATES:

- **Enforcement – Local Government**
 - Local government enforcement actions continue to decline.
- **Enforcement – District**
 - Provided a reduced level of ground surveillance within Lake Okeechobee Service Area, Upper Indian Prairie, St. Lucie Agricultural Area (C-23, 24 & 25), Lower East Coast, Upper East Coast, and Lower West Coast.
 - No new water shortage restriction violations were documented.
 - Weekend surveillance activities were suspended due to the lack of scheduled water deliveries.
- **Current Phase Restrictions are displayed in the attached map**

AUTHORIZATION:

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DISTRIBUTION:

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